



**System Board User's Manual
Carte Mère Manuel Pour Utilisateur
System-Platine Benutzerhandbuch
Manual del Usuario de Placas Base
Руководство Пользователя**

935-CK8045-500
86510523

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Caution

To avoid damage to the system, use the correct AC input voltage range. To reduce the risk of electric shock, unplug the power cord before removing the system chassis cover for installation or servicing. After installation or servicing, cover the system chassis before plugging the power cord.
Battery: 1. Danger of explosion if battery incorrectly replaced. 2. Replace only with the same or equivalent type recommend by the manufacturer. 3. Dispose of used batteries according to the battery manufacturer's instructions.

Notice

The system board and accessories in the package may not come similar to the information stated in this manual. This may differ in accordance to the sales region or models in which it was sold. For more information about the standard package in your region, please contact your dealer or sales representative.

FCC and DOC Statement on Class B

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio TV technician for help.

Notice:

1. The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
2. Shielded interface cables must be used in order to comply with the emission limits.

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The user's manual in the provided CD contains detailed information about the system board. If, in some cases, some information doesn't match those shown in this manual, this manual should always be regarded as the most updated version.

Le manuel d'utilisateur dans le CD muni contient renseignement détaillé au sujet de carte de système. Si, en quelque cas, quelque renseignement n'appareille de ce que dit dans ce manuel, ce manuel doit toujours être considéré comme la plus nouvelle version.

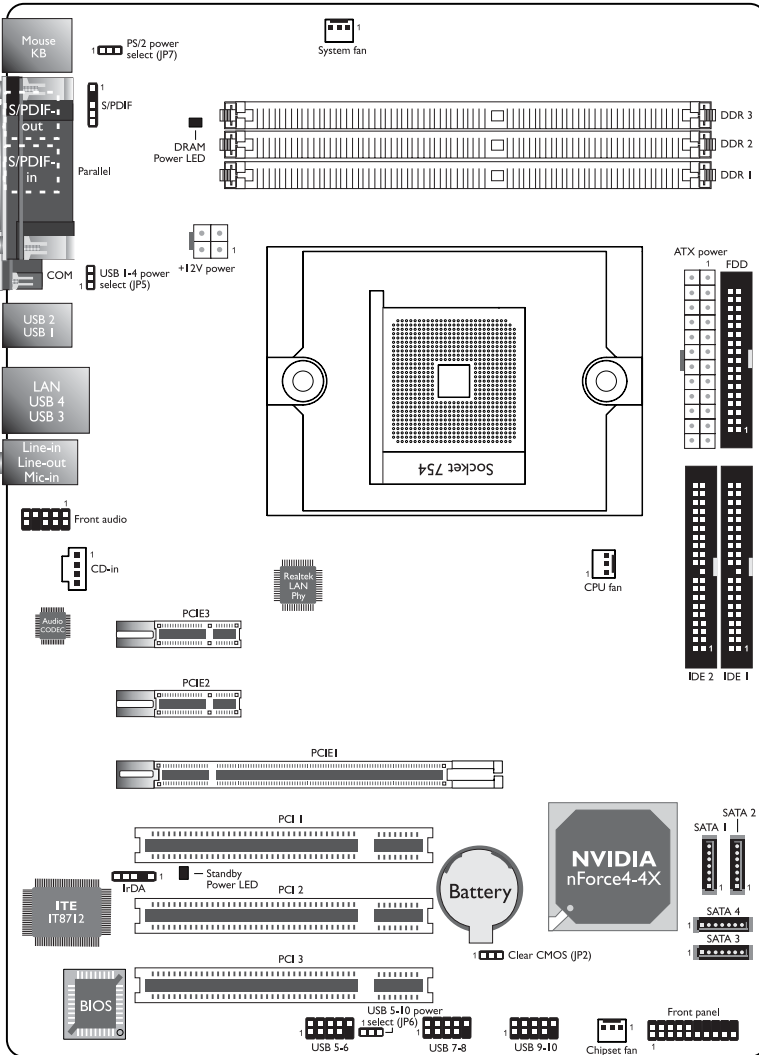
Das Benutzerhandbuch in der angebotenen CD enthält detaillierte Informationen über die Hauptplatine. Wenn in manchen Fällen manche Informationen nicht denjenigen Informationen dargestellt in diesem Handbuch entsprechen, soll dieses Handbuch als die meist aktualisierte Ausgabe gelten.

El uso explicativo contene información detalle sobre la sistema board en el CD preparativo. Si en algún caso, la información no es igual con el uso explicativo, necesita ver el uso explicativo, es que es más nuevo.

В руководстве пользователя на предоставляемом CD диске содержится подробная информация о материнской плате. Иногда напечатанное руководство может не совпадать руководством на CD, так как последнее наиболее часто обновляется и является самым свежим.

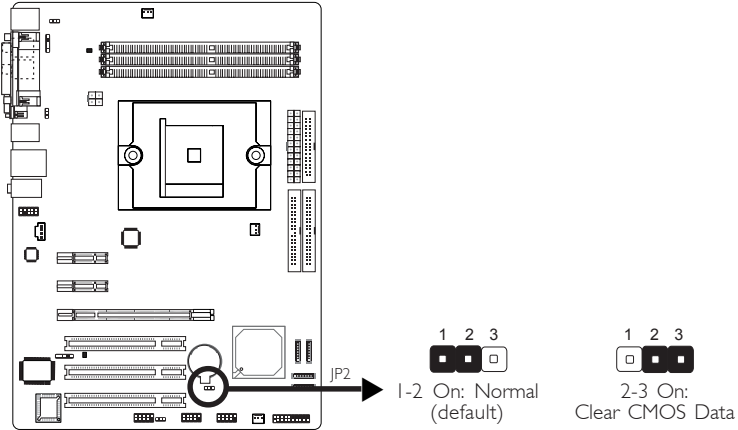
Chapter 1 - Quick Setup Guide

System Board Layout

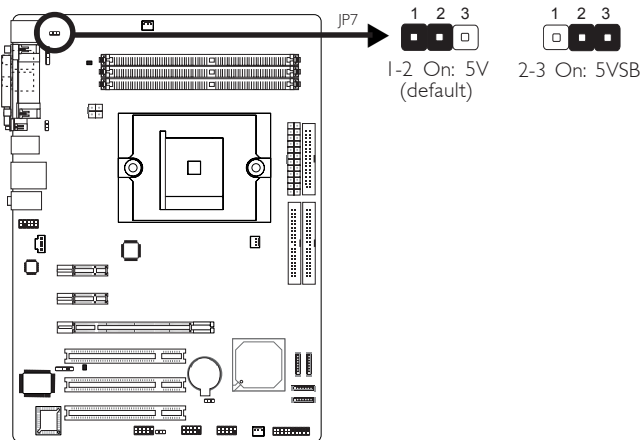


Jumpers

Clear CMOS Data



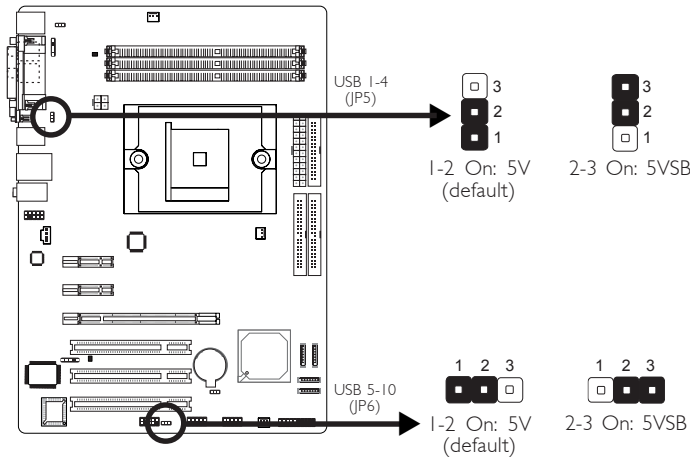
PS/2 Power Select



Important:

The 5VSB power source of your power supply must support $\geq 720\text{mA}$.

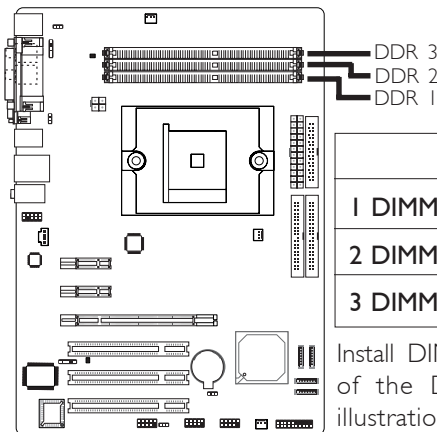
USB Power Select



Important:

If you are using the Wake-On-USB Keyboard/Mouse function for 2 USB ports, the 5VSB power source of your power supply must support $\geq 1.5A$. For 3 or more USB ports, the 5VSB power source of your power supply must support $\geq 2A$.

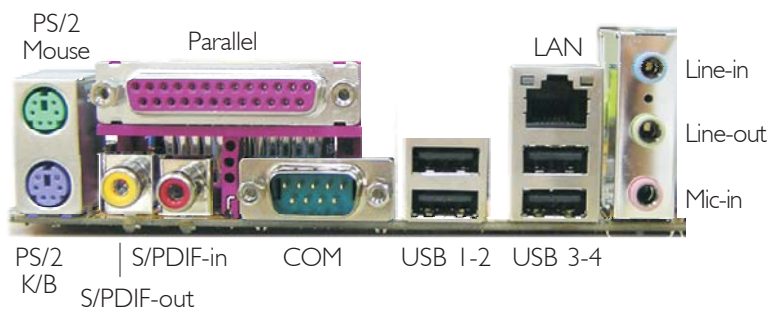
System Memory



	DDR 1	DDR 2	DDR 3
1 DIMM	✓	-	-
2 DIMMs	✓	✓	-
3 DIMMs	✓	✓	✓

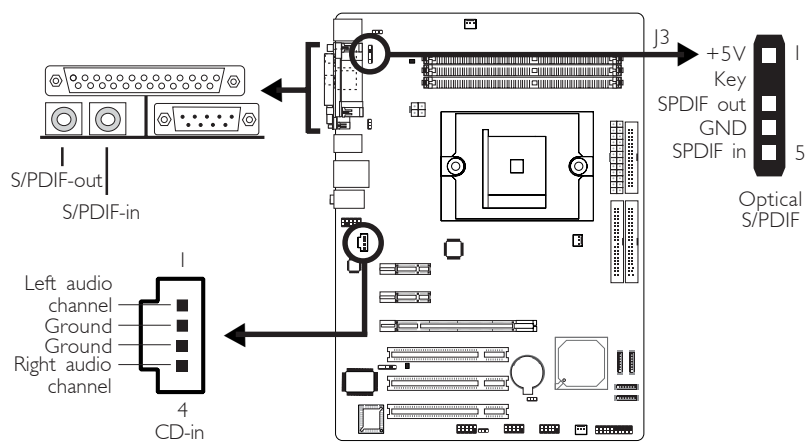
Install DIMMs according to the sequence of the DDR socket indicated in the illustration. In other words, if you are installing one DIMM only, you must install it in DDR 1 and so on. Refer to the table above.

Rear Panel I/O Ports



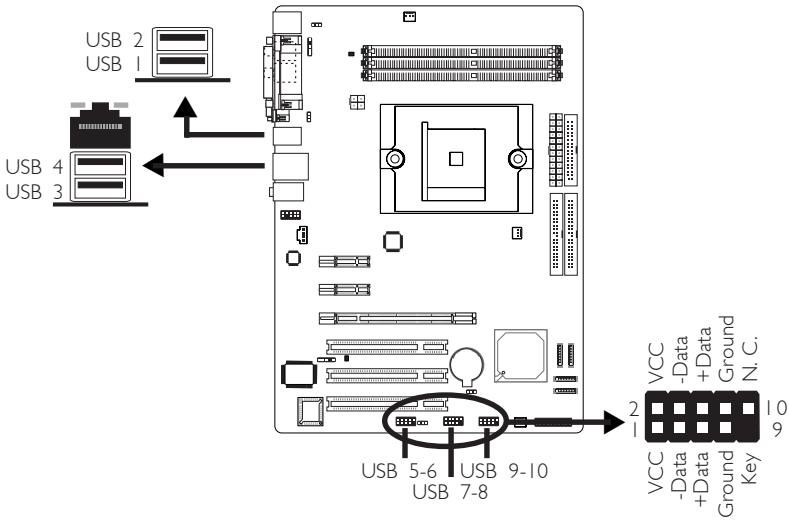
I/O Connectors

S/PDIF-out/in and CD-in Connectors

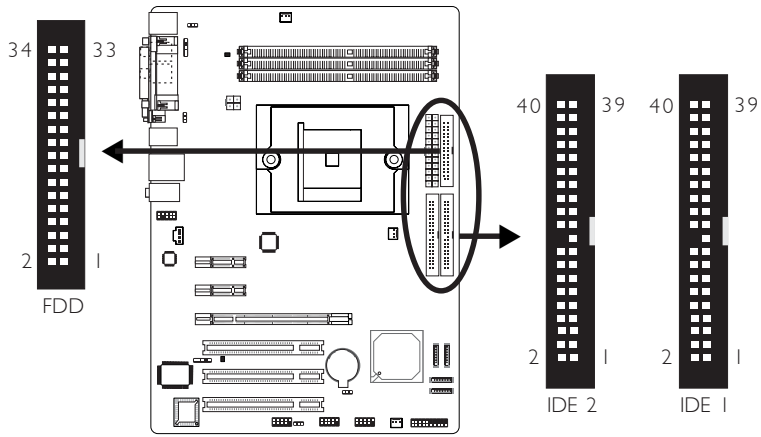


Note: *DO NOT use RCA S/PDIF and optical S/PDIF at the same time.*

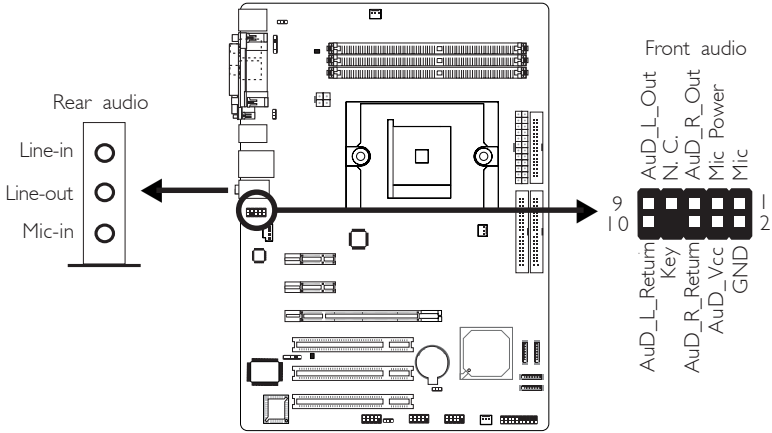
Universal Serial Bus Ports



FDD and IDE Connectors

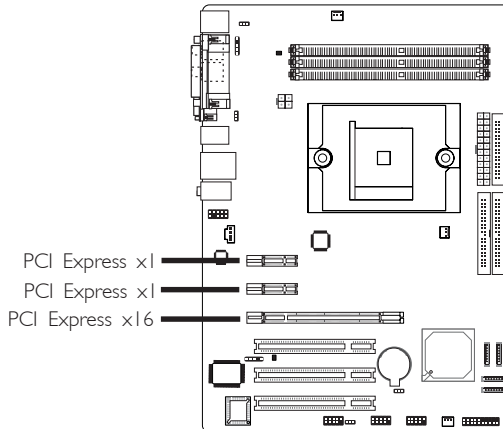


Audio (Rear Audio and Front Audio)

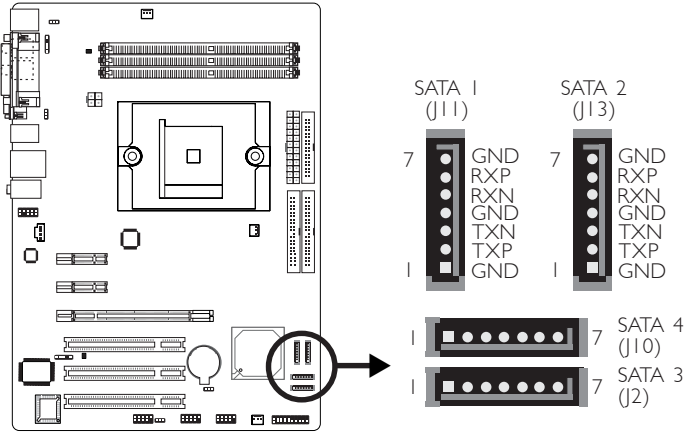


	2-channel	4-channel	6-channel
Light Blue	Line-in	Rear R/L	Rear R/L
Lime	Line-out	Front R/L	Front R/L
Pink	Mic-in	Mic-in	Center/Subwoofer

PCI Express Slots



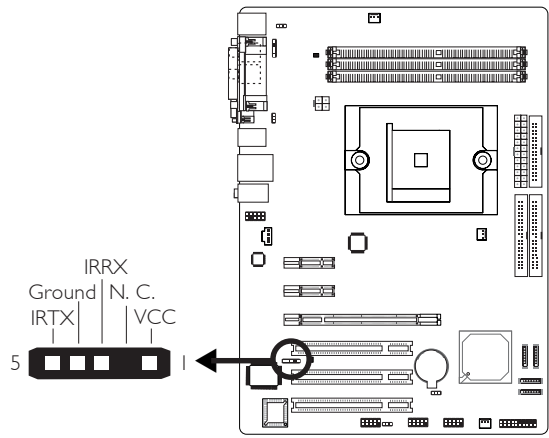
Serial ATA Connectors



Important:

Before creating RAID, make sure you have installed the Serial/Parallel ATA drives and connected the data cables otherwise you won't be able to enter the NVIDIA RAID BIOS utility.

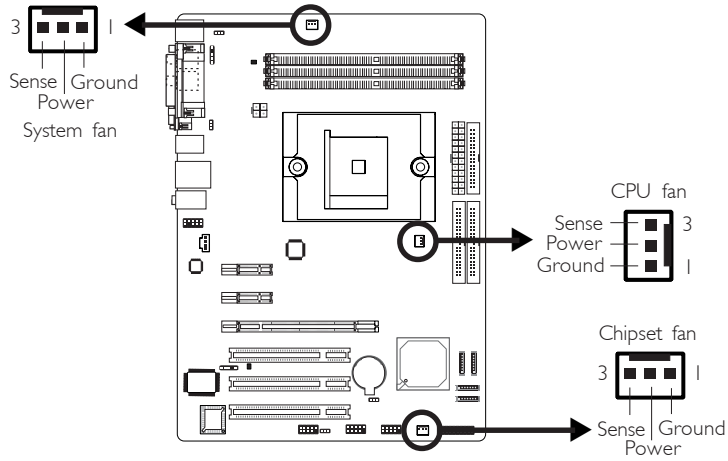
IrDA Connector



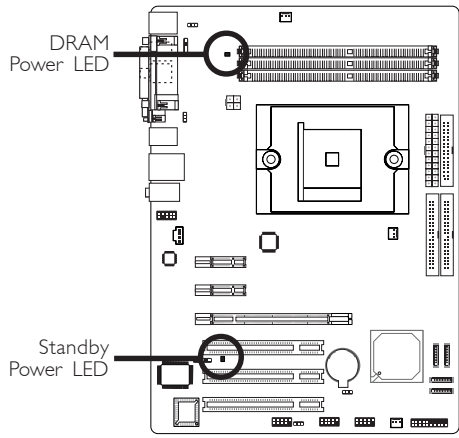
Note:

The sequence of the pin functions on some IR cable may be reversed from the pin function defined on the system board. Make sure to connect the cable connector to the IR connector according to their pin functions.

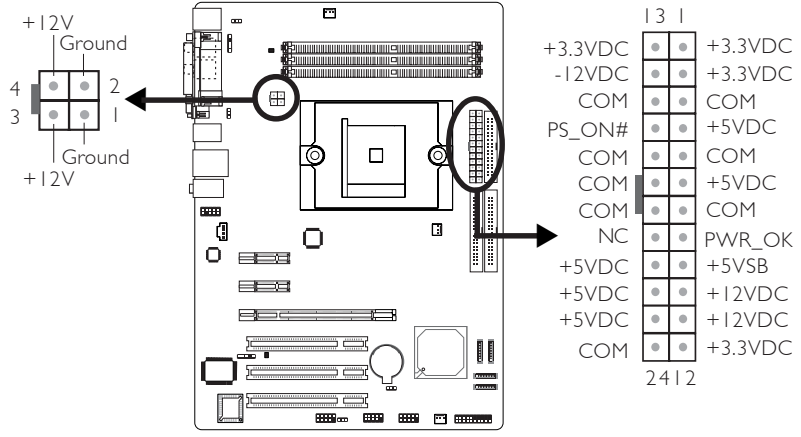
Cooling Fan Connectors



LEDs

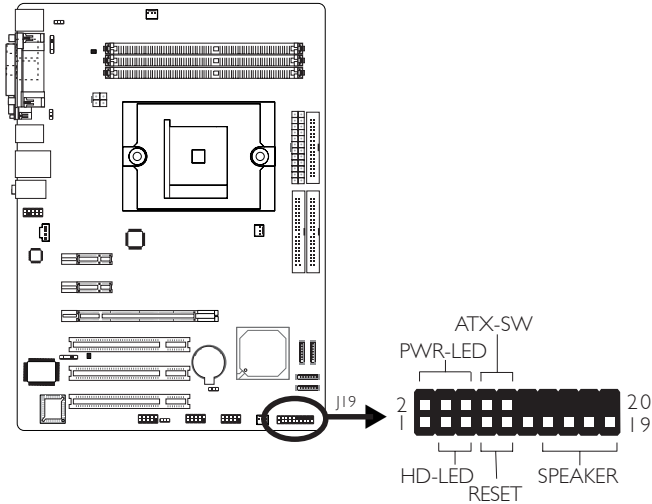


Power Connectors



Important: To ensure that adequate power is provided, we strongly recommend that you use a minimum of 400 Watt (or greater) power supply.

Front Panel Connectors



	Pin	Pin Assignment
HD-LED (Primary/Secondary IDE LED)	3	HDD LED Power
	5	HDD
Reserved	14	N. C.
	16	N. C.
ATX-SW (ATX power switch)	8	PWRBT+
	10	PWRBT-
Reserved	18	N. C.
	20	N. C.
RESET (Reset switch)	7	Ground
	9	H/W Reset
SPEAKER (Speaker connector)	13	Speaker Data
	15	N. C.
	17	Ground
	19	Speaker Power
PWR-LED (Power/Standby LED)	2	LED Power (+)
	4	LED Power (+)
	6	LED Power (-) or Standby Signal